



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SAT-01673

Friday October 14, 2022

## Satellite Policy Branch Information

### Space Station Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined that the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions, and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

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**SAT-MOD-20220919-00111**    E S3137    Capella Space Corp.  
Date Filed: 09/19/2022 16:13:01:50600  
Modification

Capella Space Corp. seeks modification of its license for the non-geostationary satellite orbit (NGSO) satellite Capella-9, to specify certain technical changes including modification of the authorized orbital characteristics and of the maximum equivalent isotropically radiated power (E.I.R.P.) density of the synthetic aperture radar transmission. Capella also requests modification of its license to include authority to deploy and operate an additional space station, Capella-10. Capella seeks to operate Capella-9 and Capella-10 in the earth-exploration satellite service (EESS) at an altitude of approximately 600 kilometers (+/- 50 kilometers) and inclination of 44 degrees (+/- 3 degrees), and also anticipates conducting imaging at altitudes down to approximately 450 km during de-orbit. Capella requests to operate Capella-10 with identical technical parameters as Capella-9, including using a center frequency of 9600 MHz and a bandwidth of 600 megahertz for SAR imaging, a center frequency of 8212.5 MHz and bandwidth of 337.5 megahertz for its EEES downlink (space-to-Earth), a center frequency of 2036 MHz and bandwidth of 1.4 megahertz for its space operations uplink (Earth-to-space), and a center frequency of 8027 MHz and bandwidth of 1.4 megahertz for its space operations downlink (space-to-Earth). Capella-10 would operate inter-satellite links with the Inmarsat system, including all the satellites on the Commission's "ISAT" list, using frequencies assigned for operations by Inmarsat BGAN terminals in the 1525.0-1559.0 MHz transmitting (space-to-space) and 1626.5-1660.0 MHz receiving (space-to-space) frequency bands. Capella requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules, 47 CFR § 2.106, and sections 25.202(g)(1) and 25.114(c)(4)(v) of the Commission's rules, 47 CFR §§ 25.202(g)(1) and 25.114(c)(4)(v). This application is for modification of a license granted in accordance with the small satellite procedures in section 25.122 of the Commission's rules, 47 CFR § 25.122.

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For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.